

AMENDMENT UNDER 37 C.F.R. § 1.111
USAN 09/993,623

magnetic poles extending in an axial direction and radially surrounding said rotor coil, said claw-shaped magnetic poles being magnetized into North and South poles by said magnetic flux;

a stator including a stator core provided with a plurality of slots formed so as to extend axially and be spaced circumferentially, and a stator winding mounted to said stator core;

slip rings secured to said shaft;

brushes, the ends of which slide on the slip rings, supplying electric current to said rotor coil through said slip rings from an electric power supply;

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a brush holding assembly, said brush holding assembly holding said brushes within a holding portion and provided with a cover capable of being opened to remove said brushes; and

a cap for closing an open portion of said case for removal and insertion of said brushes, said open portion being formed at a position on said case facing said cover, one of said cap and said case including means for directing airflow in the vicinity of said brushes.

AS
3. The alternator according to Claim 1 wherein a regulator for adjusting the magnitude of an alternating voltage generated in said stator, and a cooling plate placed in contact with said regulator, are disposed on said brush holding assembly.

AL
8. The alternator according to Claim 1 wherein conductors of said stator winding extend outwardly in an axial direction from an end surface of said stator core and are formed into coil ends having a uniform shape in a circumferential direction.